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--43. A method for producing a propellant powder for gun ammunition, comprising
providing a mono-, di-, or tri-basic propellant, in the form of powder granules,
surface-treating said granules of a mono-, di-, and tri-basic propellant powder
with at least one reagent selected from the group consisting of inert polymer, energetic
polymer, energetic monomer softener; and
recovering particles of said mono-, di-, and tri-basic propellant powder surface-
treated with said reagent, wherein the recovered particles are in dry form. --

-- 44. The method for producing a propellant powder for gun ammunition of Claim 43,
comprising
providing a mono-, di-, or tri-basic propellant, in the form of powder granules,
surface-treating said granules of a mono-, di-, and tri-basic propellant powder
with at least one polymer selected from the group consisting of polyester, polyether,
polyurethane, polyurea, polybutadiene, polyamide, and cellulose ester; and
recovering particles of said mono-, di-, and tri-basic propellant powder surface-
treated with said polymer, wherein the recovered particles are in dry form. --

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--45. The method of Claim 44, wherein the propellant is at least one member selected
from the group consisting of nitrocellulose, a nitric acid ester, an alkyl nitrate ethyl nitramine,
nitroguanidine, hexogen, octogen, 3-nitro-1,2,4-triazol-5-one, and
hexanitrohexaazaisowurtzitane.--

--46. The method of Claim 45, wherein the nitric acid ester is at least one member
selected from the group consisting of nitroglycerine, diethylene glycol dinitrate, butane triol
trinitrate, metriol trinitrate, and triethylene glycol dinitrate.--

--47. The method for producing a propellant powder for gun ammunition of Claim 43, comprising surface-treating said propellant powder with at least one polymer selected from the group consisting of poly-3-nitratomethyl-3-methyl oxetane, polyglycidyl nitrate, and glycidylazide polymer.--

--48. The method of Claim 43, wherein the energetic softener is at least one member selected from the group consisting of alkyl nitrate ethyl nitramine, nitric acid ester; bis(2,2-dinitropropyl) acetal, bis(2,2-dinitropropyl) formal, and dinitrodiazaalkane. --

--49. The method of Claim 48, wherein said alkyl nitrate ethyl nitramine is selected from the group consisting of methyl nitrate ethyl nitramine, ethyl nitrate ethyl nitramine and butyl nitrate ethyl nitramine. --

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--50. The method of Claim 48, wherein the nitric acid ester is at least one selected from the group consisting of nitroglycerine, diethylene glycol dinitrate, butane triol trinitrate, metriol trinitrate, and triethylene glycol dinitrate. --

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--51. The method of Claim 50, wherein the surface-treating step comprises the step of applying a polymer, in the form of a solution or of an emulsion to the surface of said granules.--

--52. The method of Claim 51, comprising spraying the granules in a rotating drum or incubating in an impregnating solution.--

--53. The method of Claim 43, wherein said polymer and said energetic, monomer softener are applied as a mixture of the two or by a two-stage, consecutive treatment. --

--54. The method of Claim 43, wherein the powder granules are coated with said reagent. --

--55. The method of Claim 51, wherein said powder granules are coated with each of said polymer and said softener.--

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--56. The method of Claim 53, wherein said powder granules are coated with each of said polymer and said softener. --

--57. The product produced by Claim 43. --

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--58. A propellant for gun ammunition, wherein said propellant is in the form of powder granules, and wherein said granules are surface treated with at least one reagent selected from the group consisting of inert polymer, energetic polymer and energetic monomer softener.--

--59. The propellant of Claim 58, wherein said reagent is a coating on said granules. --
